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| Form PTO-1449<br><br>INFORMATION DISCLOSURE CITATION<br><br>JUN 24 2004<br>PATENT & TRADEMARK OFFICE |  | Docket Number 524592003800     | Application Number 10/661,966 |
|  |  | Applicant                      | Richard B. ROTH et al.        |
|  |  | Filing Date September 11, 2003 | Group Art Unit-2012 1634      |
|  |  | Mailing Date June 22, 2004     |                               |

### U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date    | Document No. | Name          | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|---------|--------------|---------------|-------|----------|----------------------------|
| JP                | 1.       | 08/1996 | 5,547,835    | Köster        | 435   | 6        |                            |
|                   | 2.       | 02/1997 | 5,605,798    | Köster        | 435   | 6        |                            |
|                   | 3.       | 11/1997 | 5,691,141    | Köster        | 435   | 6        |                            |
|                   | 4.       | 12/1998 | 5,849,542    | Reeve et al.  | 435   | 91.1     |                            |
|                   | 5.       | 02/1999 | 5,869,242    | Kamb          | 435   | 6        |                            |
|                   | 6.       | 07/1999 | 5,928,906    | Köster et al. | 435   | 91.2     |                            |
|                   | 7.       | 03/2000 | 6,043,031    | Köster et al. | 435   | 6        |                            |
|                   | 8.       | 02/2001 | 6,194,144    | Köster        | 435   | 6        |                            |
| ↓                 | 9.       | 07/2001 | 6,258,538    | Köster et al. | 435   | 6        |                            |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Country | Class | Subclass | Translation YES NO |
|-------------------|----------|------|--------------|---------|-------|----------|--------------------|
|                   |          |      |              |         |       |          |                    |

### OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title   |
|-------------------|----------|---|
| JP                | 10.      | Barnier et al., J Biol Chem. 270(40):23381-9 (1995)           |
|                   | 11.      | Brambilla et al., Oncogene 9:3037-3041 (1994)                 |
|                   | 12.      | Davies et al., Nature 417(6892):949-54 (2002)                 |
|                   | 13.      | Ding & Cantor, PNAS 100(6):3059-3064 (2003)                   |
|                   | 14.      | Dong et al., Cancer Res. 63:3883-3885 (2003)                  |
| ↓                 | 15.      | East et al., Biochim. Biophys. Acta. 1572(2-3):364-386 (2002) |
|                   | 16.      | Elbashir et al., Methods 26:199-213 (2002)                    |

EXAMINER: Jehanne Sitr

DATE CONSIDERED:

9/6/06

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

|   |  |                                |                               |
|---|--|--------------------------------|-------------------------------|
| Form PTO-1449<br><br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION |  | Docket Number 524592003800     | Application Number 10/661,966 |
|   |  | Applicant                      | Richard B. ROTH et al.        |
|   |  | Filing Date September 11, 2003 | Group Art Unit 2812-1634      |
|   |  | Mailing Date June 22, 2004     |                               |

|       |  |
|-------|--|
| ✓ 17. | Engelholm et al., J. Cell Biol. 160(7):1009-15 (2003)          |
| ✓ 18. | Eychene et al., Oncogene 10(6):1159-65 (1995)                  |
| ✓ 19. | Fenster et al., Neuron 25:203-214 (2000)                       |
| ✓ 20. | Fujimoto et al., J. Biol. Chem. 277:50497-50502 (2002)         |
| ✓ 21. | Fujisawa et al., Dev. Biol. 135:231-240 (1989)                 |
| ✓ 22. | Hagemann and Rapp, Exp Cell Res. 253(1):34-46 (1999)           |
| ✓ 23. | Hall-Jackson et al. Chem Biol. 6(8):559-68 (1999)              |
| ✓ 24. | He & Tessier-Lavigne, Cell 90:739-751 (1997)                   |
| ✓ 25. | Ikawa, Mol Cell Biol. 8(6):2651-4 (1988)                       |
| ✓ 26. | Ikeda et al., J. Biol. Chem. 273:814-821 (1998)                |
| ✓ 27. | Jaiswal et al., Mol Cell Biol. 14(10):6944-53 (1994)           |
| ✓ 28. | Jelinek et al., Mol Cell Biol. 16(3):1027-34 (1996)            |
| ✓ 29. | Kohfeldt et al., J. Molec. Biol. 282:99-109 (1998)             |
| ✓ 30. | Koshiba et al., FEBS Lett. 442:138-142 (1999)                  |
| ✓ 31. | Lee et al., Proc. Natl. Acad. Sci. 99:10470-10475 (2002)       |
| ✓ 32. | Marais et al., EMBO J. 14: 3136-3145 (1995)                    |
| ✓ 33. | Marais et al., J. Biol. Chem. 272: 4378-4383 (1997)            |
| ✓ 34. | Mason et al., EMBO J. 18: 2137-2148 (1999)                     |
| ✓ 35. | Nagase et al., DNA Res. 5:31-39 (1998)                         |
| ✓ 36. | Négrier et al., Electronic Journal of Oncology 1:99-106 (2001) |
| ✓ 37. | Oh et al., Proc. Natl. Acad. Sci. 99:383-388 (2002)            |
| ✓ 38. | Papin et al., C R Soc Biol 189(1):71-85 (1995)                 |
| ✓ 39. | Papin et al., Oncogene 10(8):1647-51 (1995)                    |
| ✓ 40. | Papin et al., Oncogene 12(10):2213-21 (1996)                   |
| ✓ 41. | Papin et al., J Biol Chem. 273(38):24939-47 (1998)             |
| ✓ 42. | Pastuszak et al., J. Biol. Chem. 273:30165-30174 (1998)        |
| ✓ 43. | Peyssonnaux et al., Biol Cell. 93(1-2):53-62 (2001)            |
| ✓ 44. | Pollock and Meltzer, Cancer Cell. 2(1):5-7 (2002)              |
| ✓ 45. | Pollock et al., Nature Genetics 33:19-20 (2003)                |
| ✓ 46. | Pritchard and McMahon, Nat Genet. 16(3):214-5 (1997)           |

|  |                                |
|--|--------------------------------|
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|   |  | Applicant                      | Richard B. ROTH et al.        |
|   |  | Filing Date September 11, 2003 | Group Art Unit 2812 16 34     |
|   |  | Mailing Date June 22, 2004     |                               |

|    |     |  |
|----|-----|--|
| 92 | 47. | Qui et al., J Biol Chem. 275(41):31921-9 (2000)                |
|    | 48. | Rajagopalan et al., Nature 418:934 (2002)                      |
|    | 49. | Roth et al. Genomics 63(3):384-90 (2000)                       |
|    | 50. | Schymelsky et al., Molec. Cell. Biol. 22:6820-6830 (2002)      |
|    | 51. | Sheikh et al., J. Cell. Sci. 113(Pt 6):1021-32 (2000)          |
|    | 52. | Sithanandam et al., Oncogene 5(12):1775-80 (1990)              |
|    | 53. | Sithanandam et al., Oncogene 7(4):795-9 (1992)                 |
|    | 54. | Soker et al., Cell 92:735-745 (1998)                           |
|    | 55. | Stephens et al., American J. Human Genetics 68: 978-989 (2001) |
|    | 56. | Stephens et al., Mol Cell Biol. 12(9):3733-42 (1992)           |
|    | 57. | Takashima et al., Proc. Natl. Acad. Sci. 99:3657-3662 (2002)   |
|    | 58. | Tordjman et al., Nature Immun. 3:477-482 (2002)                |
|    | 59. | Wang et al., Cell 87: 629-638 (1996)                           |
|    | 60. | Weber et al., Oncogene 19: 169-176 (2000)                      |
|    | 61. | Weber et al., Cancer Res. 61(9):3595-8 (2001)                  |
|    | 62. | Williams & Roberts, Cancer Metastasis Rev. 13(1):105-16 (1994) |
|    | 63. | Wojnowski et al., Nat Genet. 16(3):293-7 (1997)                |
|    | 64. | Wojnowski et al., Mamm Genome. 9(11):905-6 (1998)              |
|    | 65. | Wojnowski et al., Mech Dev. 91(1-2):97-104 (2000)              |
| ✓  | 66. | Zhang and Guan, EMBO J. 19(20):5429-39 (2000)                  |

|  |              |                  |        |
|--|--------------|------------------|--------|
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|   |                        |                    |
|---|------------------------|--------------------|
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     | 10661996           |
|   | Filing Date            | 2003-09-11         |
|   | First Named Inventor   | Roth, R            |
|   | Art Unit               | 1634               |
|   | Examiner Name          | Sitton, Jehanne S. |
|   | Attorney Docket Number | SEQ-4038-UT        |

| U.S.PATENTS       |         |               |                        |            |   |  |
|-------------------|---------|---------------|------------------------|------------|---|--|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
| JP                | 1       | 5989815       |                        | 1999-11-23 | Skolnick et al                                  |  |
| JP                | 2       | 6465177       |                        | 2002-10-15 | Hoon  |  |

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| U.S.PATENT APPLICATION PUBLICATIONS |         |                    |                        |                  |   |  |
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| Examiner Initial*                   | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
| JP                                  | 1       | 20020197632        |                        | 2002-12-26       | Moskowitz                                       |  |

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| Examiner Initial*        | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
| JP                       | 1       | WO0162964                            |                           |                        | 2001-08-30       | Winsey et al                                    |  |

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#### NON-PATENT LITERATURE DOCUMENTS

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Not for submission under 37 CFR 1.99)</i> |  | Application Number     | 10661996           |
|   |  | Filing Date            | 2003-09-11         |
|   |  | First Named Inventor   | Roth, R            |
|   |  | Art Unit               | 1634               |
|   |  | Examiner Name          | Sitton, Jehanne S. |
|   |  | Attorney Docket Number | SEQ-4038-UT        |

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T5                       |
|--------------------|---------|---|--------------------------|
| <i>JR</i>          | 1       | Crawford et al., Genomics, 56:90-97 (1999)  | <input type="checkbox"/> |
| <i>↓</i>           | 2       | Beutow et al., Proc. Natl. Acad. Sci. USA., 98(2):581-584 (2001)  | <input type="checkbox"/> |
| <i>↓</i>           | 3       | Database Genbank, NCBI SNP database ss2459179 (11/03/2000)  | <input type="checkbox"/> |

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#### EXAMINER SIGNATURE

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| Examiner Signature | <i>Jehanne Sitton</i> | Date Considered | 9/6/06 |
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<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: ROTH et al  
Serial No.: 10/661,966  
Filed: September 11, 2003  
Conf. No.: 9006  
Title: METHODS FOR IDENTIFYING RISK OF MELANOMA AND TREATMENTS THEREOF

Examiner: Sitton, Jehanne S.  
Group Art Unit: 1634  
Docket: SEQ-4038-UT

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam,

In compliance with the duty under 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the Examiner's attention for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form SB08A be considered by the Examiner and made of record. Pursuant to MPEP 609, Applicants request that a copy of the SB08A form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication. Applicants also bring to the Office's attention the existence of the following recently abandoned or co-pending related applications:  
(1) application no. 10/703,817 filed November 6, 2003, published as US2005-0118117 A1 on June 2, 2005 (Attorney Docket: SEQ-4061-UT, Examiner Sarae L. Bausch), (2) application no. 10/703,789 filed November 6, 2003, published as US2005-0064440 A1 on March 24, 2005,



**INFORMATION DISCLOSURE STATEMENT**

Serial No.: 10-661,966

Filing Date: September 11, 2003

Title: METHODS FOR IDENTIFYING RISK OF MELANOMA AND TREATMENTS THEREOF

Page 2  
Dkt: SEQ-4063-UT

(Attorney Docket: SEQ-4063-UT, Examiner Examiner Sarae L. Bausch), (3) application no.

10/704,513 filed November 6, 2003, published as US2005-0170500 A1 on August 4, 2005

(Attorney Docket: SEQ-4062-UT, Examiner Sarae L. Bausch), and (4) application no.

10/840,590 filed May 5, 2004, published as US2005-0233341 A1 on October 20, 2005 (Attorney Docket: SEQ-4061-CP, Examiner Sarae L. Bausch).

The listed documents are being submitted in compliance with 37 CFR § 1.97(a), before the first Office action on the merits. If any additional fees are due, please contact the undersigned attorney at (858) 623-9470. The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

Date: July 21, 2006

By: /Bruce Grant/

Bruce Grant  
Reg. No. 47608  
Attorney for Applicants  
BioTechnology Law Group  
Customer No. 47328  
Telephone: (858) 623-9470